

List of Safety Standard Approved Products

The file No. in the table indicates the registration number of the product. Last updated May 2005

World K Series Induction Motors (Lead Wire Type)

| Model | | Overheating Protection Device | UL File No. | CSA Certificate No. | Degree of Protection | EN Standard | | CCC system Certification No. | Page |
|-------------------|------------------|-------------------------------|-------------|---------------------|----------------------|--------------------|-------------|------------------------------|------|
| Pinion Shaft | Round Shaft | | | | | Certification Body | Licence No. | | |
| 01K1GN-AUL | 01K1A-AUL | ZP | E64199 | LR47296 | IP20 | VDE | 5876ÜG | — | A-20 |
| 21K6GN-AW | 21K6A-AW | ZP | E64199 | — | IP20 | VDE | 114919 | 2003010401091525 | A-22 |
| 21K6GN-CW | 21K6A-CW | ZP | E64199 | — | IP20 | VDE | 114919 | 2003010401091525 | A-22 |
| 21K6GN-SW | 21K6A-SW | ZP | E64199 | — | IP20 | VDE | 114919 | 2003010401091527 | A-22 |
| 31K15GN-AW | 31K15A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-25 |
| 31K15GN-CW | 31K15A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-25 |
| 41K25GN-AW | 41K25A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-28 |
| 41K25GN-CW | 41K25A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-28 |
| 41K25GN-SW | 41K25A-SW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091520 | A-28 |
| 51K40GN-AW | 51K40A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-32 |
| 51K40GN-CW | 51K40A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-32 |
| 51K40GN-SW | 51K40A-SW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091520 | A-32 |
| 51K60GU-AW | 51K60A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-36 |
| 51K60GU-CW | 51K60A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-36 |
| 51K60GU-SW | 51K60A-SW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091520 | A-36 |
| 51K90GU-AW | 51K90A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-40 |
| 51K90GU-CW | 51K90A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-40 |
| 51K90GU-SW | 51K90A-SW | TP | E64197 | — | IP20 | DEMKO | 138642 | 2003010401091520 | A-40 |

ZP: Impedance Protection TP: Thermal Protector

World K Series Induction Motors (Terminal Box Type)

| Model | | Overheating Protection Device | UL File No. | Degree of Protection | | EN Standard | | CCC system Certification No. | Page |
|--------------------|-------------------|-------------------------------|-------------|----------------------|-------------|--------------------|-------------|------------------------------|------|
| Pinion Shaft | Round Shaft | | | Pinion Shaft | Round Shaft | Certification Body | Licence No. | | |
| 21K6GN-AWT | 21K6A-AWT | ZP | E64199 | IP54* | IP54* | VDE | 114919 | 2003010401091525 | A-22 |
| 21K6GN-CWT | 21K6A-CWT | ZP | E64199 | IP54* | IP54* | VDE | 114919 | 2003010401091525 | A-22 |
| 21K6GN-SWT | 21K6A-SWT | ZP | E64199 | IP54* | IP54* | VDE | 114919 | 2003010401091527 | A-22 |
| 41K25GN-AWT | 41K25A-AWT | TP | E64197 | IP54 | IP40 | VDE | 6751 | 2003010401091522 | A-28 |
| 41K25GN-CWT | 41K25A-CWT | TP | E64197 | IP54 | IP40 | VDE | 6751 | 2003010401091522 | A-28 |
| 41K25GN-SWT | 41K25A-SWT | TP | E64197 | IP54 | IP40 | VDE | 6751 | 2003010401091520 | A-28 |
| 51K40GN-AWT | 51K40A-AWT | TP | E64197 | IP54 | IP40 | VDE | 6751 | 2003010401091522 | A-32 |
| 51K40GN-CWT | 51K40A-CWT | TP | E64197 | IP54 | IP40 | VDE | 6751 | 2003010401091522 | A-32 |
| 51K40GN-SWT | 51K40A-SWT | TP | E64197 | IP54 | IP40 | VDE | 6751 | 2003010401091520 | A-32 |
| 51K60GU-AWT | 51K60A-AWT | TP | E64197 | IP44 | IP40 | VDE | 6751 | 2003010401091522 | A-36 |
| 51K60GU-CWT | 51K60A-CWT | TP | E64197 | IP44 | IP40 | VDE | 6751 | 2003010401091522 | A-36 |
| 51K60GU-SWT | 51K60A-SWT | TP | E64197 | IP44 | IP40 | VDE | 6751 | 2003010401091520 | A-36 |
| 51K90GU-AWT | 51K90A-AWT | TP | E64197 | IP44 | IP40 | VDE | 6751 | 2003010401091522 | A-40 |
| 51K90GU-CWT | 51K90A-CWT | TP | E64197 | IP44 | IP40 | VDE | 6751 | 2003010401091522 | A-40 |
| 51K90GU-SWT | 51K90A-SWT | TP | E64197 | IP44 | IP40 | DEMKO | 138642 | 2003010401091520 | A-40 |

ZP: Impedance Protection TP: Thermal Protector

*When using φ8.5 mm cables, IP grade is 54; otherwise, IP40 is applied, except for the mounting surface of the round shaft motor.

World K Series Reversible Motors (Lead Wire Type)

| Model | | Overheating Protection Device | UL File No. | CSA Certificate No. | Degree of Protection | EN Standard | | CCC system Certification No. | Page |
|-------------------|------------------|-------------------------------|-------------|---------------------|----------------------|--------------------|-------------|------------------------------|------|
| Pinion Shaft | Round Shaft | | | | | Certification Body | Licence No. | | |
| 0RK1GN-AUL | 0RK1A-AUL | ZP | E64199 | LR47296 | IP20 | VDE | 5876ÜG | — | A-57 |
| 2RK6GN-AW | 2RK6A-AW | ZP | E64199 | — | IP20 | VDE | 114919 | 2003010401091525 | A-59 |
| 2RK6GN-CW | 2RK6A-CW | ZP | E64199 | — | IP20 | VDE | 114919 | 2003010401091525 | A-59 |
| 3RK15GN-AW | 3RK15A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-63 |
| 3RK15GN-CW | 3RK15A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-63 |
| 4RK25GN-AW | 4RK25A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-66 |
| 4RK25GN-CW | 4RK25A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-66 |
| 5RK40GN-AW | 5RK40A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-70 |
| 5RK40GN-CW | 5RK40A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-70 |
| 5RK60GU-AW | 5RK60A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-74 |
| 5RK60GU-CW | 5RK60A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-74 |
| 5RK90GU-AW | 5RK90A-AW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-78 |
| 5RK90GU-CW | 5RK90A-CW | TP | E64197 | — | IP20 | VDE | 6751 | 2003010401091522 | A-78 |

ZP: Impedance Protection TP: Thermal Protector

Safety Standards

List of Safety Standard Approved Products

ISO9001/ISO14001

Global Power Supply Voltages

Product Index

Product Recommendation Information Sheets

World K Series Reversible Motors (Terminal Box Type)

| Model | | Overheating Protection | UL | Degree of Protection | | EN Standard | | CCC system | Page |
|--------------------|-------------------|------------------------|----------|----------------------|-------------|--------------------|-------------|-------------------|------|
| Pinion Shaft | Round Shaft | Device | File No. | Pinion Shaft | Round Shaft | Certification Body | Licence No. | Certification No. | |
| 2RK6GN-AWT | 2RK6A-AWT | ZP | E64199 | IP40 | IP40 | VDE | 114919 | 2003010401091525 | A-59 |
| 2RK6GN-CWT | 2RK6A-CWT | ZP | E64199 | IP40 | IP40 | VDE | 114919 | 2003010401091525 | A-59 |
| 4RK25GN-AWT | 4RK25A-AWT | TP | E64197 | IP40 | IP40 | VDE | 6751 | 2003010401091522 | A-66 |
| 4RK25GN-CWT | 4RK25A-CWT | TP | E64197 | IP40 | IP40 | VDE | 6751 | 2003010401091522 | A-66 |
| 5RK40GN-AWT | 5RK40A-AWT | TP | E64197 | IP40 | IP40 | VDE | 6751 | 2003010401091522 | A-70 |
| 5RK40GN-CWT | 5RK40A-CWT | TP | E64197 | IP40 | IP40 | VDE | 6751 | 2003010401091522 | A-70 |
| 5RK60GU-AWT | 5RK60A-AWT | TP | E64197 | IP40 | IP40 | VDE | 6751 | 2003010401091522 | A-74 |
| 5RK60GU-CWT | 5RK60A-CWT | TP | E64197 | IP40 | IP40 | VDE | 6751 | 2003010401091522 | A-74 |
| 5RK90GU-AWT | 5RK90A-AWT | TP | E64197 | IP40 | IP40 | VDE | 6751 | 2003010401091522 | A-78 |
| 5RK90GU-CWT | 5RK90A-CWT | TP | E64197 | IP40 | IP40 | VDE | 6751 | 2003010401091522 | A-78 |

ZP: Impedance Protection TP: Thermal Protector

World K Series Electromagnetic Brake Motors

| Model | | Overheating Protection | UL | Degree of Protection | EN Standard | | CCC system | Page |
|--------------------|-------------------|------------------------|----------|----------------------|--------------------|-------------|-------------------|-------|
| Pinion Shaft | Round Shaft | Device | File No. | Protection | Certification Body | Licence No. | Certification No. | |
| 2RK6GN-AWM | 2RK6A-AWM | ZP | E64199 | IP20 | VDE | 114919 | 2003010401091525 | A-87 |
| 2RK6GN-CWM | 2RK6A-CWM | ZP | E64199 | IP20 | VDE | 114919 | 2003010401091525 | A-87 |
| 2IK6GN-SWM | 2IK6A-SWM | ZP | E64199 | IP20 | VDE | 114919 | 2003010401091527 | A-87 |
| 3RK15GN-AWM | 3RK15A-AWM | TP | E64197 | IP20 | VDE | 6751 | 2003010401091522 | A-91 |
| 3RK15GN-CWM | 3RK15A-CWM | TP | E64197 | IP20 | VDE | 6751 | 2003010401091522 | A-91 |
| 4RK25GN-AWM | 4RK25A-AWM | TP | E64197 | IP20 | VDE | 6751 | 2003010401091522 | A-95 |
| 4RK25GN-CWM | 4RK25A-CWM | TP | E64197 | IP20 | VDE | 6751 | 2003010401091522 | A-95 |
| 4IK25GN-SWM | 4IK25A-SWM | TP | E64197 | IP20 | VDE | 6751 | 2003010401091520 | A-95 |
| 5RK40GN-AWM | 5RK40A-AWM | TP | E64197 | IP20 | VDE | 6751 | 2003010401091522 | A-99 |
| 5RK40GN-CWM | 5RK40A-CWM | TP | E64197 | IP20 | VDE | 6751 | 2003010401091522 | A-99 |
| 5IK40GN-SWM | 5IK40A-SWM | TP | E64197 | IP20 | VDE | 6751 | 2003010401091520 | A-99 |
| 5RK60GU-AWM | 5RK60A-AWM | TP | E64197 | IP40 | VDE | 6751 | 2003010401091522 | A-103 |
| 5RK60GU-CWM | 5RK60A-CWM | TP | E64197 | IP40 | VDE | 6751 | 2003010401091522 | A-103 |
| 5IK60GU-SWM | 5IK60A-SWM | TP | E64197 | IP40 | VDE | 6751 | 2003010401091520 | A-103 |
| 5RK90GU-AWM | 5RK90A-AWM | TP | E64197 | IP40 | VDE | 6751 | 2003010401091522 | A-107 |
| 5RK90GU-CWM | 5RK90A-CWM | TP | E64197 | IP40 | VDE | 6751 | 2003010401091522 | A-107 |
| 5IK90GU-SWM | 5IK90A-SWM | TP | E64197 | IP40 | DEMKO | 138642 | 2003010401091520 | A-107 |

ZP: Impedance Protection TP: Thermal Protector

BH Series Induction Motors

| Model | Motor Model | UL File No. | Degree of Protection | Page |
|-------------------|-------------|-------------|--|------|
| BHI62F-□■ | BHI62F-G2 | E64197 | IP40 | A-44 |
| BHI62FT-□■ | BHI62FT-G2 | E64197 | IP54 | A-44 |
| BHI62FT-A | — | E64197 | IP54 (Except for the mounting surface) | A-44 |
| BHI62F-A | — | E64197 | IP40 | A-44 |
| BHI62E-□■ | BHI62E-G2 | E64197 | IP40 | A-44 |
| BHI62ET-□■ | BHI62ET-G2 | E64197 | IP54 | A-44 |
| BHI62ET-A | — | E64197 | IP54 (Except for the mounting surface) | A-44 |
| BHI62E-A | — | E64197 | IP40 | A-44 |
| BHI62ST-□■ | BHI62ST-G2 | E64197 | IP54 | A-44 |
| BHI62ST-A | — | E64197 | IP54 (Except for the mounting surface) | A-44 |
| BHI82E-□ | BHI82E-G | E64197 | IP40 | A-44 |
| BHI82ET-□ | BHI82ET-G | E64197 | IP54 | A-44 |
| BHI82F-□ | BHI82F-G | E64197 | IP40 | A-44 |
| BHI82FT-□ | BHI82FT-G | E64197 | IP54 | A-44 |
| BHI82ST-□ | BHI82ST-G | E64197 | IP54 | A-44 |

● Enter the gear ratio in the box (□) within the model name. Enter the shaft type "RH" or "RA" in the box (■) within the model name. (Right-Angle Shaft Type Only)

BH Series Electromagnetic Brake Motors

| Model | Motor Model | UL File No. | Degree of Protection | Page |
|--------------------|-------------|-------------|--|-------|
| BHI62FMT-□■ | BHI62FMT-G2 | E64197 | IP54 | A-112 |
| BHI62FMT-A | — | E64197 | IP54 (Except for the mounting surface) | A-112 |
| BHI62EMT-□■ | BHI62EMT-G2 | E64197 | IP54 | A-112 |
| BHI62EMT-A | — | E64197 | IP54 (Except for the mounting surface) | A-112 |
| BHI62SMT-□■ | BHI62SMT-G2 | E64197 | IP54 | A-112 |
| BHI62SMT-A | — | E64197 | IP54 (Except for the mounting surface) | A-112 |

● Enter the gear ratio in the box (□) within the model name. Enter the shaft type "RH" or "RA" in the box (■) within the model name. (Right-Angle Shaft Type Only)

Low-Speed Synchronous Motors

| Model | Overheating Protection Device | UL File No. | Page |
|-----------------------|-------------------------------|-------------|-------|
| SMK237A-A, -B | Impedance Protection | E64199 | A-119 |
| SMK216A-GN(B) | Impedance Protection | E64199 | A-119 |
| SMK5100A-A, -B | Impedance Protection | E64199 | A-119 |
| SMK5100C-A, -B | Impedance Protection | E64199 | A-119 |
| SMK5160A-A, -B | Impedance Protection | E64199 | A-119 |
| SMK550A-GN(B) | Impedance Protection | E64199 | A-119 |
| SMK550C-GN(B) | Impedance Protection | E64199 | A-119 |

Torque Motors

| Model | | Overheating Protection Device | UL File No. | CSA Certificate No. | Degree of Protection | EN Standard | | Page |
|--------------------|-------------------|-------------------------------|-------------|---------------------|----------------------|--------------------|-------------|-------|
| Pinion Shaft | Round Shaft | | | | | Certification Body | Licence No. | |
| 3TK6GN-AUL | 3TK6A-AUL | Thermal Protector | E64197 | LR47296 | IP20 | VDE | 5877ÜG | A-245 |
| 4TK10GN-AUL | 4TK10A-AUL | Thermal Protector | E64197 | LR47296 | IP20 | VDE | 5877ÜG | A-245 |
| 5TK20GN-AUL | 5TK20A-AUL | Thermal Protector | E64197 | LR47296 | IP20 | VDE | 5877ÜG | A-245 |

Brake Pack

| Model | UL File No. | Degree of Protection | Page |
|-------------|-------------|----------------------|-------|
| SB50 | E91291 | IP10* | A-149 |

*When attached to a flush mounting socket.

Speed Control Motor and Control Unit Packages **US Series**

| Model | Motor Model | Control Unit Model | Overheating Protection Device | UL File No. | | Degree of Protection | | CCC system Certification No. Motor | Page |
|-------------------|-------------|--------------------|-------------------------------|-------------|--------------|----------------------|--------------|------------------------------------|-------|
| | | | | Motor | Control Unit | Motor | Control Unit | | |
| US206-401U | USM206-401W | USP206-1U | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-186 |
| US206-001U | USM206-001W | USP206-1U | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-186 |
| US315-401U | USM315-401W | USP315-1U | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US315-001U | USM315-001W | USP315-1U | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US425-401U | USM425-401W | USP425-1U | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US425-001U | USM425-001W | USP425-1U | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US540-401U | USM540-401W | USP540-1U | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US540-001U | USM540-001W | USP540-1U | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US560-501U | USM560-501W | USP560-1U | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-186 |
| US560-001U | USM560-001W | USP560-1U | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-186 |
| US590-501U | USM590-501W | USP590-1U | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-186 |
| US590-001U | USM590-001W | USP590-1U | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-186 |
| US206-402E | USM206-402W | USP206-2E | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-186 |
| US206-002E | USM206-002W | USP206-2E | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-186 |
| US315-402E | USM315-402W | USP315-2E | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US315-002E | USM315-002W | USP315-2E | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US425-402E | USM425-402W | USP425-2E | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US425-002E | USM425-002W | USP425-2E | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US540-402E | USM540-402W | USP540-2E | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US540-002E | USM540-002W | USP540-2E | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-186 |
| US560-502E | USM560-502W | USP560-2E | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-186 |
| US560-002E | USM560-002W | USP560-2E | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-186 |
| US590-502E | USM590-502W | USP590-2E | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-186 |
| US590-002E | USM590-002W | USP590-2E | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-186 |

ZP: Impedance Protection TP: Thermal Protector

Safety Standards

List of Safety Standard Approved Products

ISO9001/ISO14001

Global Power Supply Voltages

Product Index

Product Recommendation Information Sheets

Speed Control Motor and Control Pack Packages **MSS-W Series**

| Model | Motor Model | Speed Control Pack Model | Overheating Protection Device | UL File No. | | Degree of Protection | | CCC system Certification No. Motor | Page |
|-----------------------|-------------|--------------------------|-------------------------------|-------------|--------------------|----------------------|--------------------|------------------------------------|-------|
| | | | | Motor | Speed Control Pack | Motor | Speed Control Pack | | |
| MSS206-401W □□ | USM206-401W | MSP-1W | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-164 |
| MSS206-001W □□ | USM206-001W | MSP-1W | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-164 |
| MSS206-402W □□ | USM206-402W | MSP-2W | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-164 |
| MSS206-002W □□ | USM206-002W | MSP-2W | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-164 |
| MSS315-401W □□ | USM315-401W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS315-001W □□ | USM315-001W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS315-402W □□ | USM315-402W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS315-002W □□ | USM315-002W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS425-401W □□ | USM425-401W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS425-001W □□ | USM425-001W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS425-402W □□ | USM425-402W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS425-002W □□ | USM425-002W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS540-401W □□ | USM540-401W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS540-001W □□ | USM540-001W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS540-402W □□ | USM540-402W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS540-002W □□ | USM540-002W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS560-501W □□ | USM560-501W | MSP-1W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS560-001W □□ | USM560-001W | MSP-1W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS560-502W □□ | USM560-502W | MSP-2W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS560-002W □□ | USM560-002W | MSP-2W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS590-501W □□ | USM590-501W | MSP-1W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS590-001W □□ | USM590-001W | MSP-1W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS590-502W □□ | USM590-502W | MSP-2W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS590-002W □□ | USM590-002W | MSP-2W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS206-411W □□ | USM206-411W | MSP-1W | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-164 |
| MSS206-011W □□ | USM206-011W | MSP-1W | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-164 |
| MSS206-412W □□ | USM206-412W | MSP-2W | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-164 |
| MSS206-012W □□ | USM206-012W | MSP-2W | ZP | E64199 | E91291 | IP20 | IP10 | 2003010401091525 | A-164 |
| MSS315-411W □□ | USM315-411W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS315-011W □□ | USM315-011W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS315-412W □□ | USM315-412W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS315-012W □□ | USM315-012W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS425-411W □□ | USM425-411W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS425-011W □□ | USM425-011W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS425-412W □□ | USM425-412W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS425-012W □□ | USM425-012W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS540-411W □□ | USM540-411W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS540-011W □□ | USM540-011W | MSP-1W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS540-412W □□ | USM540-412W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS540-012W □□ | USM540-012W | MSP-2W | TP | E64197 | E91291 | IP20 | IP10 | 2003010401091522 | A-164 |
| MSS560-511W □□ | USM560-511W | MSP-1W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS560-011W □□ | USM560-011W | MSP-1W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS560-512W □□ | USM560-512W | MSP-2W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS560-012W □□ | USM560-012W | MSP-2W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS590-511W □□ | USM590-511W | MSP-1W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS590-011W □□ | USM590-011W | MSP-1W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS590-512W □□ | USM590-512W | MSP-2W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |
| MSS590-012W □□ | USM590-012W | MSP-2W | TP | E64197 | E91291 | IP40 | IP10 | 2003010401091522 | A-164 |

ZP: Impedance Protection TP: Thermal Protector

Speed Controllers

| Model | UL File No. | Degree of Protection | Page |
|-------------|-------------|----------------------|-------|
| ES01 | E91291 | IP20 | A-202 |
| ES02 | E91291 | IP20 | A-202 |

World K Series Speed Control Motors Induction Motors

| Model | Overheating Protection Device | UL File No. | Degree of Protection | | CCC system Certification No. | Page |
|--------------------|-------------------------------|-------------|----------------------|-------------|------------------------------|-------|
| | | | Pinion Shaft | Round Shaft | | |
| 2IK6RGN-AW | 2IK6RA-AW | ZP | E64199 | IP20 | 2003010401091525 | A-205 |
| 2IK6RGN-CW | 2IK6RA-CW | ZP | E64199 | IP20 | 2003010401091525 | A-205 |
| 3IK15RGN-AW | 3IK15RA-AW | TP | E64197 | IP20 | 2003010401091522 | A-205 |
| 3IK15RGN-CW | 3IK15RA-CW | TP | E64197 | IP20 | 2003010401091522 | A-205 |
| 4IK25RGN-AW | 4IK25RA-AW | TP | E64197 | IP20 | 2003010401091522 | A-205 |
| 4IK25RGN-CW | 4IK25RA-CW | TP | E64197 | IP20 | 2003010401091522 | A-205 |
| 5IK40RGN-AW | 5IK40RA-AW | TP | E64197 | IP20 | 2003010401091522 | A-205 |
| 5IK40RGN-CW | 5IK40RA-CW | TP | E64197 | IP20 | 2003010401091522 | A-205 |
| 5IK60RGU-AW | 5IK60RA-AW | TP | E64197 | IP20 | 2003010401091522 | A-205 |
| 5IK60RGU-CW | 5IK60RA-CW | TP | E64197 | IP20 | 2003010401091522 | A-205 |

ZP: Impedance Protection TP: Thermal Protector

World K Series Speed Control Motors Reversible Motors

| Model | | Overheating Protection | UL | Degree of Protection | CCC system | Page |
|--------------------|-------------------|------------------------|----------|----------------------|-------------------|-------|
| Pinion Shaft | Round Shaft | Device | File No. | Pinion Shaft | Certification No. | |
| 2RK6RGN-AW | 2RK6RA-AW | ZP | E64199 | IP20 | 2003010401091525 | A-206 |
| 2RK6RGN-CW | 2RK6RA-CW | ZP | E64199 | IP20 | 2003010401091525 | A-206 |
| 3RK15RGN-AW | 3RK15RA-AW | TP | E64197 | IP20 | 2003010401091522 | A-206 |
| 3RK15RGN-CW | 3RK15RA-CW | TP | E64197 | IP20 | 2003010401091522 | A-206 |
| 4RK25RGN-AW | 4RK25RA-AW | TP | E64197 | IP20 | 2003010401091522 | A-206 |
| 4RK25RGN-CW | 4RK25RA-CW | TP | E64197 | IP20 | 2003010401091522 | A-206 |
| 5RK40RGN-AW | 5RK40RA-AW | TP | E64197 | IP20 | 2003010401091522 | A-206 |
| 5RK40RGN-CW | 5RK40RA-CW | TP | E64197 | IP20 | 2003010401091522 | A-206 |
| 5RK60RGU-AW | 5RK60RA-AW | TP | E64197 | IP20 | 2003010401091522 | A-206 |
| 5RK60RGU-CW | 5RK60RA-CW | TP | E64197 | IP20 | 2003010401091522 | A-206 |

ZP: Impedance Protection TP: Thermal Protector

BHF Series Speed Control Motor and Control Pack Packages

| Model | Motor Model | Speed Control Pack Model | UL File No. | | Degree of Protection | | Page |
|------------------|-------------|--------------------------|-------------|--------------------|--|--------------------|-------|
| | | | Motor | Speed Control Pack | Motor | Speed Control Pack | |
| BHF62AT-□ | BHM62T-G2 | FSP200-1 | E64197 | E171462 | IP54 | IP10 | A-220 |
| BHF62AT-A | BHM62T-A | FSP200-1 | E64197 | E171462 | IP54 (Except for the mounting surface) | IP10 | A-220 |
| BHF62CT-□ | BHM62T-G2 | FSP200-2 | E64197 | E171462 | IP54 | IP10 | A-220 |
| BHF62CT-A | BHM62T-A | FSP200-2 | E64197 | E171462 | IP54 (Except for the mounting surface) | IP10 | A-220 |
| BHF62ST-□ | BHM62T-G2 | FSP200-3 | E64197 | E171462 | IP54 | IP10 | A-220 |
| BHF62ST-A | BHM62T-A | FSP200-3 | E64197 | E171462 | IP54 (Except for the mounting surface) | IP10 | A-220 |

Enter the gear ratio in the box (□) within the model name. Enter the shaft type "RH" or "RA" in the box (■) within the model name. (Right-Angle Shaft Type Only)

BHF Series Speed Control Motor with Electromagnetic Brake and Control Pack Packages

| Model | Motor Model | Speed Control Pack Model | UL File No. | | Degree of Protection | | Page |
|-------------------|-------------|--------------------------|-------------|--------------------|--|--------------------|-------|
| | | | Motor | Speed Control Pack | Motor | Speed Control Pack | |
| BHF62AMT-□ | BHM62MT-G2 | FSP200-1 | E64197 | E171462 | IP54 | IP10 | A-220 |
| BHF62AMT-A | BHM62MT-A | FSP200-1 | E64197 | E171462 | IP54 (Except for the mounting surface) | IP10 | A-220 |
| BHF62CMT-□ | BHM62MT-G2 | FSP200-2 | E64197 | E171462 | IP54 | IP10 | A-220 |
| BHF62CMT-A | BHM62MT-A | FSP200-2 | E64197 | E171462 | IP54 (Except for the mounting surface) | IP10 | A-220 |
| BHF62SMT-□ | BHM62MT-G2 | FSP200-3 | E64197 | E171462 | IP54 | IP10 | A-220 |
| BHF62SMT-A | BHM62MT-A | FSP200-3 | E64197 | E171462 | IP54 (Except for the mounting surface) | IP10 | A-220 |

Enter the gear ratio in the box (□) within the model name. Enter the shaft type "RH" or "RA" in the box (■) within the model name. (Right-Angle Shaft Type Only)

Watertight, Dust-Resistant Motors FPW Series

| Model | Overheating Protection Device | UL File No. | Degree of Protection | Page |
|------------------|-------------------------------|-------------|----------------------|-------|
| FPW425A-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW425C-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW425S-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW540A-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW540C-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW540S-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW560A-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW560C-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW560S-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW690A-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW690C-□ | Thermal Protector | E64197 | IP67 | A-235 |
| FPW690S-□ | Thermal Protector | E64197 | IP67 | A-235 |

Enter the gear ratio in the box (□) within the model name.

Safety Standards

List of Safety Standard Approved Products

ISO9001/ISO14001

Global Power Supply Voltages

Product Index

Product Recommendation Information Sheets

■ Brushless DC Motor and Driver Packages **BX Series**

BX Series is approved by UL and CSA standards. See page B-7 for File No.

■ Brushless DC Motor and Driver Packages **FBL II Series**

| Model | Model | | UL File No. | | DEMKO File No. | | Degree of Protection | | Page |
|---------------------|---------------|--------------|-------------|---------|----------------|---------|----------------------|--------|------|
| | Motor Model | Driver Model | Motor | Driver | Motor | Driver* | Motor | Driver | |
| FBL575AW -□ | FBLM575W-GFB | FBLD75AW | E62327 | E171462 | 124888 | 131974 | IP40 | IP10 | B-27 |
| FBL575AW -A | FBLM575W-A | FBLD75AW | E62327 | E171462 | 124888 | 131974 | IP40 | IP10 | B-27 |
| FBL575CW -□ | FBLM575W-GFB | FBLD75CW | E62327 | E171462 | 124888 | 131974 | IP40 | IP10 | B-27 |
| FBL575CW -A | FBLM575W-A | FBLD75CW | E62327 | E171462 | 124888 | 131974 | IP40 | IP10 | B-27 |
| FBL575SW -□ | FBLM575W-GFB | FBLD75SW | E62327 | E171462 | 124888 | — | IP40 | IP10 | B-27 |
| FBL575SW -A | FBLM575W-A | FBLD75SW | E62327 | E171462 | 124888 | — | IP40 | IP10 | B-27 |
| FBL5120AW -□ | FBLM5120W-GFB | FBLD120AW | E62327 | E171462 | 124888 | 131974 | IP40 | IP10 | B-27 |
| FBL5120AW -A | FBLM5120W-A | FBLD120AW | E62327 | E171462 | 124888 | 131974 | IP40 | IP10 | B-27 |
| FBL5120CW -□ | FBLM5120W-GFB | FBLD120CW | E62327 | E171462 | 124888 | 131974 | IP40 | IP10 | B-27 |
| FBL5120CW -A | FBLM5120W-A | FBLD120CW | E62327 | E171462 | 124888 | 131974 | IP40 | IP10 | B-27 |
| FBL5120SW -□ | FBLM5120W-GFB | FBLD120SW | E62327 | E171462 | 124888 | — | IP40 | IP10 | B-27 |
| FBL5120SW -A | FBLM5120W-A | FBLD120SW | E62327 | E171462 | 124888 | — | IP40 | IP10 | B-27 |

***FBL575SW**, **FBL5120SW** types conform to EN Standards.

● Enter the gear ratio in the box (□) within the model name.

■ **αSTEP AS Series**

AS Series is approved by UL and CSA standards. See page C-9 for File No.

■ **αSTEP ASC Series**

ASC Series is approved by UL and CSA standards. See page C-43 for File No.

■ Stepping Motor and Driver Package **RK Series**

RK Series is approved by UL, CSA and EN standards. See page C-63 for File No. and License No.

Stepping Motor and Driver Packages **UPK-W Series**

| Type | Model | Motor Model | Driver Model | UL File No. | EN/IEC Standards | | Page |
|--|--|---------------------------------------|--------------|--------------------------------------|--|--|-------|
| | | | | | Motor | Driver | |
| Standard Type Single-Phase 100-115 VAC | UPK543 <input type="checkbox"/> W | PK543 <input type="checkbox"/> W | UDK5107NW2 | | | Certification Body DEMKO Certificate No. 123356 123860 | |
| | UPK544 <input type="checkbox"/> W | PK544 <input type="checkbox"/> W | UDK5107NW2 | | | | |
| | UPK545 <input type="checkbox"/> W | PK545 <input type="checkbox"/> W | UDK5107NW2 | | | | |
| | UPK564 <input type="checkbox"/> W2 | PK564 <input type="checkbox"/> W | UDK5114NW2 | | | | |
| | UPK566 <input type="checkbox"/> W2 | PK566 <input type="checkbox"/> W | UDK5114NW2 | | | | |
| | UPK569 <input type="checkbox"/> W2 | PK569 <input type="checkbox"/> W | UDK5114NW2 | | | | |
| | UPK596 <input type="checkbox"/> W2 | PK596 <input type="checkbox"/> W | UDK5114NW2 | | | | |
| | UPK599 <input type="checkbox"/> W2 | PK599 <input type="checkbox"/> W | UDK5114NW2 | | | | |
| Standard Type Single-Phase 200-230 VAC | UPK5913 <input type="checkbox"/> W2 | PK5913 <input type="checkbox"/> W | UDK5114NW2 | | | Certification Body DEMKO Certificate No. 123913 123893 | |
| | UPK564 <input type="checkbox"/> JW | PK564 <input type="checkbox"/> W | UDK5214NW | | | | |
| | UPK566 <input type="checkbox"/> JW | PK566 <input type="checkbox"/> W | UDK5214NW | | | | |
| | UPK569 <input type="checkbox"/> JW | PK569 <input type="checkbox"/> W | UDK5214NW | | | | |
| | UPK596 <input type="checkbox"/> JW | PK596 <input type="checkbox"/> W | UDK5214NW | | | | |
| High-Speed Type Single-Phase 100-115 VAC | UPK599 <input type="checkbox"/> JW | PK599 <input type="checkbox"/> W | UDK5214NW | | | Certification Body DEMKO Certificate No. 123356 123860 | C-98 |
| | UPK569 <input type="checkbox"/> HW2 | PK569 <input type="checkbox"/> HW | UDK5128NW2 | | | | |
| | UPK596 <input type="checkbox"/> HW2 | PK596 <input type="checkbox"/> HW | UDK5128NW2 | | | | |
| | UPK599 <input type="checkbox"/> HW2 | PK599 <input type="checkbox"/> HW | UDK5128NW2 | | | | |
| Standard Type with Electromagnetic Brake Single-Phase 100-115 VAC | UPK5913 <input type="checkbox"/> HW2 | PK5913 <input type="checkbox"/> HW | UDK5128NW2 | Motor E64199 Driver E171462 | Certification Body VDE Licence No. 114293 | Certification Body DEMKO Certificate No. 123356 123860 | |
| | UPK543AWM | PK543AWM | UDK5107NW2-M | | | | |
| | UPK544AWM | PK544AWM | UDK5107NW2-M | | | | |
| | UPK545AWM | PK545AWM | UDK5107NW2-M | | | | |
| | UPK564AWM | PK564AWM | UDK5114NW2-M | | | | |
| | UPK566AWM | PK566AWM | UDK5114NW2-M | | | | |
| | UPK569AWM | PK569AWM | UDK5114NW2-M | | | | |
| | UPK599AWM | PK599AWM | UDK5114NW2-M | | | | |
| Standard Type with Electromagnetic Brake Single-Phase 200-230 VAC | UPK5913AWM | PK5913AWM | UDK5114NW2-M | | | Certification Body DEMKO Certificate No. 123913 123893 | |
| | UPK564AJWM | PK564AJWM | UDK5214NW-M | | | | |
| | UPK566AJWM | PK566AJWM | UDK5214NW-M | | | | |
| | UPK569AJWM | PK569AJWM | UDK5214NW-M | | | | |
| | UPK596AJWM | PK596AJWM | UDK5214NW-M | | | | |
| High-Speed Type with Electromagnetic Brake Single-Phase 100-115 VAC | UPK599AJWM | PK599AJWM | UDK5214NW-M | | | Certification Body DEMKO Certificate No. 123356 123860 | |
| | UPK569AHWM | PK569AHWM | UDK5128NW2-M | | | | |
| | UPK596AHWM | PK596AHWM | UDK5128NW2-M | | | | |
| | UPK599AHWM | PK599AHWM | UDK5128NW2-M | | | | |
| PN Geared Type Single-Phase 100-115 VAC | UPK5913AHWM | PK5913AHWM | UDK5128NW2-M | | | Certification Body DEMKO Certificate No. 123356 123860 | C-100 |
| | UPK566 <input type="checkbox"/> W-N5 | PK566 <input type="checkbox"/> W-N5 | UDK5114NW2 | | | | |
| | UPK566 <input type="checkbox"/> W-N7.2 | PK566 <input type="checkbox"/> W-N7.2 | UDK5114NW2 | | | | |
| | UPK566 <input type="checkbox"/> W-N10 | PK566 <input type="checkbox"/> W-N10 | UDK5114NW2 | | | | |
| | UPK564 <input type="checkbox"/> W-N25 | PK564 <input type="checkbox"/> W-N25 | UDK5114NW2 | | | | |
| | UPK564 <input type="checkbox"/> W-N36 | PK564 <input type="checkbox"/> W-N36 | UDK5114NW2 | | | | |
| PN Geared Type Single-Phase 200-230 VAC | UPK564 <input type="checkbox"/> W-N50 | PK564 <input type="checkbox"/> W-N50 | UDK5114NW2 | | | Certification Body DEMKO Certificate No. 123913 123893 | |
| | UPK566 <input type="checkbox"/> JW-N5 | PK566 <input type="checkbox"/> W-N5 | UDK5214NW | | | | |
| | UPK566 <input type="checkbox"/> JW-N7.2 | PK566 <input type="checkbox"/> W-N7.2 | UDK5214NW | | | | |
| | UPK566 <input type="checkbox"/> JW-N10 | PK566 <input type="checkbox"/> W-N10 | UDK5214NW | | | | |
| | UPK564 <input type="checkbox"/> JW-N25 | PK564 <input type="checkbox"/> W-N25 | UDK5214NW | | | | |
| | UPK564 <input type="checkbox"/> JW-N36 | PK564 <input type="checkbox"/> W-N36 | UDK5214NW | | | | |
| UPK564 <input type="checkbox"/> JW-N50 | PK564 <input type="checkbox"/> W-N50 | UDK5214NW | | | | | |

● Enter **A** (single shaft) or **B** (double shaft) in the box () within the model names.

Safety Standards

List of Safety Standard Approved Products

ISO9001/ISO14001

Global Power Supply Voltages

Product Index

Product Recommendation Information Sheets

| Type | Model | Motor Model | Driver Model | UL File No. | EN/IEC Standards | | Page |
|--|----------------|---------------|--------------|-------------|------------------|--------|-------|
| | | | | | Motor | Driver | |
| PL Geared Type Single-Phase 100-115 VAC | UPK545□W-P5 | PK545□W-P5 | UDK5107NW2 | | | | |
| | UPK545□W-P7.2 | PK545□W-P7.2 | UDK5107NW2 | | | | |
| | UPK545□W-P10 | PK545□W-P10 | UDK5107NW2 | | | | |
| | UPK543□W-P25 | PK543□W-P25 | UDK5107NW2 | | | | |
| | UPK543□W-P36 | PK543□W-P36 | UDK5107NW2 | | | | |
| | UPK543□W-P50 | PK543□W-P50 | UDK5107NW2 | | | | |
| | UPK566□W-P5 | PK566□W-P5 | UDK5114NW2 | | | | |
| | UPK566□W-P7.2 | PK566□W-P7.2 | UDK5114NW2 | | | | |
| | UPK566□W-P10 | PK566□W-P10 | UDK5114NW2 | | | | |
| | UPK564□W-P25 | PK564□W-P25 | UDK5114NW2 | | | | |
| | UPK564□W-P36 | PK564□W-P36 | UDK5114NW2 | | | | |
| | UPK564□W-P50 | PK564□W-P50 | UDK5114NW2 | | | | |
| | UPK599□W-P5 | PK599□W-P5 | UDK5114NW2 | | | | |
| | UPK599□W-P7.2 | PK599□W-P7.2 | UDK5114NW2 | | | | |
| UPK599□W-P10 | PK599□W-P10 | UDK5114NW2 | | | | | |
| UPK596□W-P25 | PK596□W-P25 | UDK5114NW2 | | | | | |
| UPK596□W-P36 | PK596□W-P36 | UDK5114NW2 | | | | | |
| UPK596□W-P50 | PK596□W-P50 | UDK5114NW2 | | | | | |
| PL Geared Type Single-Phase 200-230 VAC | UPK566□JW-P5 | PK566□W-P5 | UDK5214NW | | | | |
| | UPK566□JW-P7.2 | PK566□W-P7.2 | UDK5214NW | | | | |
| | UPK566□JW-P10 | PK566□W-P10 | UDK5214NW | | | | |
| | UPK564□JW-P25 | PK564□W-P25 | UDK5214NW | | | | |
| | UPK564□JW-P36 | PK564□W-P36 | UDK5214NW | | | | |
| | UPK564□JW-P50 | PK564□W-P50 | UDK5214NW | | | | |
| | UPK599□JW-P5 | PK599□W-P5 | UDK5214NW | | | | |
| | UPK599□JW-P7.2 | PK599□W-7.2 | UDK5214NW | | | | |
| | UPK599□JW-P10 | PK599□W-P10 | UDK5214NW | | | | |
| | UPK596□JW-P25 | PK596□W-P25 | UDK5214NW | | | | C-99 |
| UPK596□JW-P36 | PK596□W-P36 | UDK5214NW | | | | | |
| UPK596□JW-P50 | PK596□W-P50 | UDK5214NW | | | | | |
| TH Geared Type Single-Phase 100-115 VAC | UPK543□W-T3.6 | PK543□W-T3.6 | UDK5107NW2 | | | | |
| | UPK543□W-T7.2 | PK543□W-T7.2 | UDK5107NW2 | | | | |
| | UPK543□W-T10 | PK543□W-T10 | UDK5107NW2 | | | | |
| | UPK543□W-T20 | PK543□W-T20 | UDK5107NW2 | | | | |
| | UPK543□W-T30 | PK543□W-T30 | UDK5107NW2 | | | | |
| | UPK564□W-T3.6 | PK564□W-T3.6 | UDK5114NW2 | | | | |
| | UPK564□W-T7.2 | PK564□W-T7.2 | UDK5114NW2 | | | | |
| | UPK564□W-T10 | PK564□W-T10 | UDK5114NW2 | | | | |
| | UPK564□W-T20 | PK564□W-T20 | UDK5114NW2 | | | | |
| | UPK564□W-T30 | PK564□W-T30 | UDK5114NW2 | | | | |
| | UPK596□W-T3.6 | PK596□W-T3.6 | UDK5114NW2 | | | | |
| | UPK596□W-T7.2 | PK596□W-T7.2 | UDK5114NW2 | | | | |
| | UPK596□W-T10 | PK596□W1-T10 | UDK5114NW2 | | | | |
| | UPK596□W-T20 | PK596□W1-T20 | UDK5114NW2 | | | | |
| UPK596□W-T30 | PK596□W1-T30 | UDK5114NW2 | | | | | |
| TH Geared Type Single-Phase 200-230 VAC | UPK564□JW-T3.6 | PK564□W-T3.6 | UDK5214NW | | | | |
| | UPK564□JW-T7.2 | PK564□W-T7.2 | UDK5214NW | | | | |
| | UPK564□JW-T10 | PK564□W-T10 | UDK5214NW | | | | |
| | UPK564□JW-T20 | PK564□W-T20 | UDK5214NW | | | | |
| | UPK564□JW-T30 | PK564□W-T30 | UDK5214NW | | | | |
| | UPK596□JW-T3.6 | PK596□W-T3.6 | UDK5214NW | | | | |
| | UPK596□JW-T7.2 | PK596□W-T7.2 | UDK5214NW | | | | |
| | UPK596□JW-T10 | PK596□W1-T10 | UDK5214NW | | | | |
| | UPK596□JW-T20 | PK596□W1-T20 | UDK5214NW | | | | |
| | UPK596□JW-T30 | PK596□W1-T30 | UDK5214NW | | | | |
| Harmonic Geared Type Single-Phase 100-115 VAC | UPK543□W-H50 | PK543□W1-H50 | UDK5107NW2 | | | | |
| | UPK543□W-H100 | PK543□W1-H100 | UDK5107NW2 | | | | |
| | UPK564□W-H50 | PK564□W2-H50 | UDK5114NW2 | | | | |
| | UPK564□W-H100 | PK564□W2-H100 | UDK5114NW2 | | | | |
| | UPK596□W-H50 | PK596□W1-H50 | UDK5114NW2 | | | | |
| | UPK596□W-H100 | PK596□W1-H100 | UDK5114NW2 | | | | C-100 |
| Harmonic Geared Type Single-Phase 200-230 VAC | UPK564□JW-H50 | PK564□W2-H50 | UDK5214NW | | | | |
| | UPK564□JW-H100 | PK564□W2-H100 | UDK5214NW | | | | |
| | UPK596□JW-H50 | PK596□W1-H50 | UDK5214NW | | | | |
| | UPK596□JW-H100 | PK596□W1-H100 | UDK5214NW | | | | |

● Enter **A** (single shaft) or **B** (double shaft) in the box (□) within the model names.

■ AC Axial Flow Fans

| Model | Overheating Protection Device | UL File No. | CSA Certificate No. | Degree of Protection | EN/IEC Standard | | Page |
|---|-------------------------------|-------------|---------------------|----------------------|-----------------|--------|------|
| MRS25-B MRS25-D MRS25-T MRS25-BM MRS25-DM MRS25-TM MRS25-BB MRS25-DB MRS25-TB | | E58377 | —* | IP00 | — | — | F-28 |
| MRS20-BUL MRS20-BM MRS20-DUL MRS20-DM MRS20-TUL MRS20-TM MRS20-E MRS20-EM | | E58377 | LR62524 | IP00 | VDE | 5867 | F-30 |
| MRS18-BUL MRS18-BTM MRS18-DUL MRS18-DTM MRS18-TUL MRS18-TTM MRS18-E MRS18-ETM | Thermal Protector | E58377 | LR62524 | IP00 | VDE | 5868 | F-32 |
| MRS16-BUL MRS16-BTM MRS16-BTA MRS16-DUL MRS16-DTM MRS16-DTA MRS16-TUL MRS16-TTM MRS16-TTA MRS16-E MRS16-EM | | E58377 | LR62524 | IP00 | VDE | 5869 | F-34 |
| MRS14-TUL MRS14-TTM | | E58377 | LR62524 | IP00 | VDE | 5866 | F-36 |
| MRW18-BTA MRW18-DTA MRW18-TTA | | E58377 | —* | IP00 | VDE | 6758 | F-40 |
| MRS18V2-B MRS18V2-D | | E58377 | —* | IP00 | DEMKO | 138655 | F-38 |

*The **MRS25-□**, **MRW18-□**, and **MRS18V2-□** are recognized to Canadian safety requirements under the Component Recognition Program of Underwriters Laboratories Inc.

■ AC Axial Flow Fans

| Model | Overheating Protection Device | UL File No. | CSA Certificate No. | Degree of Protection | EN Standard | | JET Certificate No. | Page |
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| MU1428S-51 | | E58377 | LR62524 | IP00 | VDE | 5870 | 0018-91002-002 0018-91002-003 | F-42 |
| MU1238A-21B MU1238B-21B MU1238L-21B | | E58377 | LR62524 | IP00 | VDE | 5870 | 0018-91002-001 | F-44 |
| MU1238A-51B MU1238B-51B MU1238L-51B | | E58377 | LR62524 | IP00 | VDE | 5870 | 0018-91002-002 | F-44 |
| MU1225S-21 MU1225M-21 MU1225S-51 MU1225M-51 | Impedance Protection | E58377 | LR62524 | IP00 | VDE | 5870 | 0018-91002-001 | F-46 |
| MU1025S-51 | | E58377 | LR62524 | IP00 | VDE | 5870 | 0018-91002-002 0018-91002-003 | F-48 |
| MU925S-21 MU925M-21 MU925S-51 MU925M-51 | | E58377 | LR62524 | IP00 | VDE | 5870 | 0018-91002-001 | F-50 |
| MU825S-23 MU825S-53 | | E58377 | LR62524 | IP00 | VDE | 5870 | 0018-91002-002 0018-91002-003 | F-50 |
| | | E58377 | LR62524 | IP00 | VDE | 5870 | — | F-52 |
| | | E58377 | LR62524 | IP00 | VDE | 5870 | — | F-52 |

Safety Standards

List of Safety Standard Approved Products

ISO9001/ISO14001

Global Power Supply Voltages

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Product Recommendation Information Sheets

■ DC Axial Flow Fans

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| | | | Certification Body | Certificate No. | |
| MDS1751-24 | E58377 | IP00 | DEMKO | 135713 | F-56 |
| MDS1751-24B MDS1751-24S | E58377 | IP00 | — | — | F-56 |
| MDS1225-12 MDS1225-24 MDS1225-12M MDS1225-24M | E58377 | IP00 | DEMKO | 135713 | F-58 |
| MD925A-12 MD925A-12L MD925A-24 MD925A-24L | E58377 | IP00 | DEMKO | 135713 | F-60 |
| MD925A-12S MD925A-24S | E58377 | IP00 | — | — | F-60 |
| MD825B-12 MD825B-12L MD825B-24 MD825B-24L | E58377 | IP00 | DEMKO | 135713 | F-62 |
| MD825B-12S MD825B-24S | E58377 | IP00 | — | — | F-62 |
| MD625B-12 MD625B-12L MD625B-24 MD625B-24L | E58377 | IP00 | DEMKO | 135713 | F-64 |
| MD625B-12S MD625B-24S | E58377 | IP00 | — | — | F-64 |
| MDS510-12 MDS510-12L MDS510-24 MDS510-24L | E58377 | IP00 | DEMKO | 135713 | F-66 |
| MDS410-12 MDS410-12L MDS410-24 MDS410-24L | E58377 | IP00 | DEMKO | 135713 | F-68 |

■ Centrifugal Blowers

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| | | | | Certification Body | Licence No. or Certificate No. | |
| MB1665-B MB1665-D MB1665-T | Thermal Protector | E58377 | IP00 | VDE | 6755 | F-74 |
| MB1255-B MB1255-D | Thermal Protector | E58377 | IP00 | VDE | 6755 | F-76 |
| MB1255-T | Thermal Protector | E58377 | IP00 | — | — | F-76 |
| MB1040-B MB1040-D | Thermal Protector | E58377 | IP00 | VDE | 6755 | F-78 |
| MB840-B MB840-D | Thermal Protector | E58377 | IP00 | DEMKO | 135714 | F-80 |
| MB840-T | Thermal Protector | E58377 | IP00 | — | — | F-80 |
| MB630-B MB630-D | Impedance Protection | E58377 | IP00 | VDE | 6755 | F-82 |
| MB520-B MB520-D | Impedance Protection | E58377 | IP00 | VDE | 6755 | F-84 |

■ Cross Flow Fans

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| | | | | Certification Body | Licence No. | |
| MF930-BC MF930B-BC MF930-DC MF930B-DC | Thermal Protector | E58377 | IP00 | VDE | 5854 | F-96 |
| MF915-BC MF915B-BC MF915-DC MF915B-DC | Thermal Protector | E58377 | IP00 | VDE | 5854 | F-98 |

■ Thermostat

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| AM1-XA1 | E164102 | IP00 | F-105 |